

IN THE CLAIMS:

Please cancel claims 3-7.

Please amend claim 2 as follows:

2. ***(Thrice Amended)*** A permanent magnet motor comprising:

a stator having stator teeth; and

a rotor coaxially inserted within said stator, wherein said rotor comprises a cylindrical permanent magnet including a composite block of plural cylindrical unit permanent magnets, each of said plural cylindrical unit permanent magnets having magnetically anisotropic orientation in a single diametrical direction perpendicular to a cylinder axis of said cylindrical permanent magnet, with each of said plural cylindrical unit permanent magnets being magnetized to have evenly disposed magnetic poles around a circumference of said cylindrical permanent magnet,

wherein said evenly disposed magnetic poles are k in number, with k being an even integer not smaller than 4 and not greater than 100,

wherein said stator teeth are n in number, with n being equal to $3n_0$ when n_0 is a positive integer not exceeding 33, with the proviso that k is not equal to n ,

wherein a direction of diametrical orientation of each of said plural cylindrical unit permanent magnets forms a rotational displacement angle, within a plane that is perpendicular to said cylinder axis, with a direction of diametrical orientation of an immediately adjacent one of said plural cylindrical unit permanent magnets, and

wherein said rotational displacement angle is equal to 180° divided by the number of said plural cylindrical unit permanent magnets.